

# Safety Data Sheet

Prepared according to Federal Register / vol. 77, No. 58/ Monday, March 26, 2012 / Rules and Regulations

## Section 1 - Company & Product Identification

Product Name: Solvent Product Code: Toluol

Trade Name: Toluol, Toluene

### Manufactured by:

Spectrum Coatings Laboratories, Inc.  
217 Chapman Street  
Providence, RI 02905  
ph:401-781-4847  
fax:401-781-1075  
web: spectrumcoatings.us  
email: paintman97@gmail.com

### Emergency Contact Information:

Daytime Information: 8:00am - 4:30pm EST  
401-781-4847

24 Hour Emergency Contact:  
Chemtrec - 800-424-9300  
International: +1 703-527-3887  
Emergency Information Only

Product Use: Professional Industrial and Commercial Spray Painting

Not recommended for: Commodity General Public Use

## Section 2 - Hazards Identification

### GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Inhalation Toxicity	Acute Tox. 4	Gases>2500+<=5000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Reproductive toxin	2	Human or animal evidence possibly with other information
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm <sup>2</sup> /s at 40° C.

### GHS Hazards

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H332	Harmful if inhaled
H361	Suspected of damaging fertility or the unborn child

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting/all motorized electrical equipment being used in the area where this material is being handled
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash all exposed areas thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see Section 4 and 11 of SDS)
P330	Rinse mouth
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P370+P378	In case of fire: Use CO2, Foam, or Chemical Extinguisher for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container to suitable waste stream in accordance with local, regional, national, and international regulations.

**Signal Word: Danger**



### **Section 3 - Composition/information on ingredients**

Chemical Name	CAS number	Weight Concentration %
Toluol	108-88-3	90.00% - 100.00%

### **Section 2 - First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries:  
Symptoms/injuries after inhalation:  
Symptoms/injuries after skin contact:  
Symptoms/injuries after eye contact:  
Symptoms/injuries after ingestion:  
Chronic symptoms:

## **Section 5 - Firefighting measures**

Flash Point: 7 C (45 F)

LEL: 1.00

UEL: 7.00

### **5.1. Extinguishing media**

Suitable extinguishing media: Carbon dioxide, Carbon Dioxide, Foam

### **5.2. Special hazards arising from the substance or mixture**

Fire hazard:

Explosion hazard:

Reactivity:

### **5.3. Advice for firefighters**

Firefighting instructions:

Protection during firefighting:

## **Section 6 - Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Evacuate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). Ventilate area. Keep upwind.

### **6.1.1. For non-emergency personnel**

Protective equipment: Wear Protective equipment as described in Section 8.

Emergency procedures: Evacuate unnecessary personnel.

### **6.1.2. For emergency responders**

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

### **6.2. Environmental precautions**

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### **6.3. Methods and material for containment and cleaning up**

For containment:

Methods for cleaning up:

## **Section 7 - Handling and storage**

### **7.1. Precautions for safe handling**

Precautions for safe handling:

## 7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions:

Storage Temperature:

## Section 8 - Exposure controls/personal protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Toluol 108-88-3	PEL 200ppm - TWA PEL 300ppm - Ceiling VPEL 100ppm - TWA VPEL 150ppm - STEL	TLV 20ppm - TWA	Not Established

### 8.2. Exposure controls

**Appropriate engineering controls:** Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

**Hand Protection:** Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

**Eye Protection:** Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

**Skin and body protection:** Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure

**Respiratory Protection:** Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment..

## Section 9 - Physical and chemical properties

<b>Appearance</b> Viscous liquid either colored or clear depending on product	<b>Odor</b> NA
<b>Physical State</b> Liquid	<b>Boiling Range</b> 108 to 112 °C
<b>% Volume Volatile</b> 100.00	<b>Specific Gravity (SG)</b> 0.870
<b>Formula Lb / Gal</b> 7.26	<b>Lbs VOC/Gallon Less Water</b> 7.26
<b>gms VOC/Liter Less Water</b> 870	

## Section 10 - Stability and reactivity

### 10.1 Reactivity

### 10.2. Chemical stability

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

STABLE

Mineral acids and strong oxidizers

Oxides of carbon, such as carbon dioxide & carbon monoxide.  
Hazardous polymerization will not occur.

**Section 11 - Toxicological information**

**Mixture Toxicity**

Oral Toxicity LD50: 636mg/kg  
Inhalation Toxicity LC50: 13mg/L

**Component Toxicity**

108-88-3 Toluol  
Oral LD50: 636 mg/kg (Rat)

- Acute toxicity:
- Skin corrosion/irritation:
- Serious eye damage/irritation:
- Respiratory or skin sensitisation:
- Germ cell mutagenicity:
- Carcinogenicity:
- Reproductive toxicity:
- Specific target organ toxicity (single exposure):
- Specific target organ toxicity (repeated exposure):
- Aspiration hazard:
- Symptoms/injuries:
- Symptoms/injuries after inhalation:
- Symptoms/injuries after skin contact:
- Symptoms/injuries after eye contact:
- Symptoms/injuries after ingestion:
- Chronic symptoms:

Inhalation		Skin Contact		Eye Contact		Ingestion	
Blood	Kidneys	Liver		Central Nervous System		Skin	

**Effects of Overexposure**

Eye Contact	Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.
Skin Contact	May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use .
Ingestion	Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.
Inhalation	Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symtoms usually occur at air concentrations higher than the recommended exposure limits.
Symptoms of Exposure	Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation, stomach or intestinal upset, irritation of the nose,throat & airways, central nervous system depression, high blood sugar, coma .

Target Organ Effects	This material shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to this material has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities.
Cancer Information	Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is NOT listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.
Developmental Info.	This material (or a component) may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of this product during pregnancy can cause birth defects in humans.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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### **Section 12 - Ecological information**

No data available

#### **Component Ecotoxicity**

### **Section 13 - Disposal considerations**

Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.  
Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

### **Section 14 - Transport information**

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Flammable: Paint Related	1263	II	3

### **Section 15 - Regulatory information**

#### **State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!**

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

108-88-3 Toluene 90 to 100 %

#### **Commonwealth of Massachusetts "Right to Know":** This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

Toluene 90 to 100 %

#### **New Jersey Worker and Community Right To Know Hazardous Substance List:** The following substances appear on the New Jersey Right To Know Hazardous Substance List.

Toluene 90 to 100 %

#### **Commonwealth of Pennsylvania Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:

108-88-3

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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**EU Risk Phrases**

**Safety Phrase**

All components of this product are listed on the TSCA Inventory or are exempt.  
- None

**Section 16 - Other information**

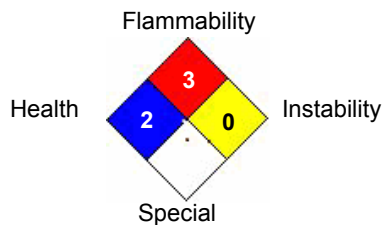
Author: BCS

**Hazardous Material Information System (HMIS)**

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	J

**HMIS & NFPA Hazard Rating Legend**  
\* = Chronic Health Hazard  
0 = INSIGNIFICANT  
1 = SLIGHT  
2 = MODERATE  
3 = HIGH

**National Fire Protection Association (NFPA)**



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Reviewer Revision

Date Prepared: 6/11/2015